

Technical Soil Descriptions

Technical soil descriptions describe the characteristics or properties (physical and chemical) of the soil including the parent material in which it formed. A pedon, a small three-dimensional area of the soil, serves as the reference point for the technical or soil series description. The soil description compares the soil to similar and other nearby soils and also includes a range of important characteristics. The detailed description method follows standards outlined in the [Soil Survey Manual](#) and many of the technical terms used in the description are defined in [Soil Taxonomy](#).

Counties with Published Soil Surveys

Technical soil descriptions are located in the county soil survey descriptive legend.

Counties without Published Soil Surveys

Technical soil descriptions can be found in adjacent county published soil survey descriptive legends or at our [Official Soil Series Description](#) web site.

This section includes:

- (a) **Classification of the soils**

Platte County, Missouri
 Classification of the Soils

Soil name	Family or higher taxonomic class
	Arents
ARMSTER-----	Fine, montmorillonitic, mesic Mollic Hapludalfs
BASEHOR-----	Loamy, siliceous, mesic Lithic Dystrochrepts
BREMER-----	Fine, montmorillonitic, mesic Typic Argiaquolls
COLO-----	Fine-silty, mixed, mesic Cumulic Endoaquolls
DOCKERY-----	Fine-silty, mixed, nonacid, mesic Aquic Udifluvents
HAYNIE-----	Coarse-silty, mixed, superactive, calcareous, mesic Mollic Udifluvents
HAYNIE VARIANT-----	Coarse-silty, mixed, superactive, calcareous, mesic Mollic Udifluvents
HIGGINSVILLE-----	Fine-silty, mixed, mesic Aquic Argiudolls
KENNEBEC-----	Fine-silty, mixed, mesic Cumulic Hapludolls
KNOX-----	Fine-silty, mixed, mesic Mollic Hapludalfs
KNOX-----	Fine-silty, mixed, mesic Mollic Hapludalfs
LADOGA-----	Fine, montmorillonitic, mesic Vertic Hapludalfs
LETA-----	Clayey over loamy, montmorillonitic, mesic Fluvaquentic Hapludolls
LEVASY-----	Clayey over loamy, montmorillonitic (calcareous), mesic Fluvaquentic Endoaquolls
NODAWAY-----	Fine-silty, mixed, nonacid, mesic Mollic Udifluvents
PARKVILLE-----	Clayey over loamy, montmorillonitic, mesic Fluvaquentic Hapludolls
SARPY-----	Mixed, mesic Typic Udipsamments
SHARPSBURG-----	Fine, montmorillonitic, mesic Typic Argiudolls
SIBLEY-----	Fine-silty, mixed, mesic Typic Argiudolls
SNEAD-----	Fine, mixed, mesic Aquic Hapludolls
WALDRON-----	Fine, smectitic, active, calcareous, mesic Aeric Fluvaquents
WIOTA-----	Fine-silty, mixed, mesic Typic Argiudolls